

## SEQUENCE LISTING

<110> Japan Science And Technology Agency  
 <110> Japan as represented by President of the National Cardiovascular Center

<120> A New Peptide Having Production Activity of cAMP

<130> JA905066

<140> PCT/JP03/06641

<141> 2003-05-28

<150> JP2002-162797

<151> 2002-06-04

<160> 22

<170> PatentIn Ver. 2.1

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<211> 38

<212> PRT

<213> Swine

<220>

<221> modified amino acid

<222> (38)

<223> glycine amide

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<223> CRSP

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<213> Swine

<220>

<223> CRSP-Gly

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<220>  
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 Gly Ser Pro Phe Asp Pro Ala Thr Leu Ser Glu Glu Glu Ser Arg Leu  
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 <213> Bos sp.

<220>  
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 <213> Bos sp.

<220>  
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     50                      55                      60  
 Ser Glu Lys Ala Gln Lys Thr Glu Gly Ser Arg Ile Gln Lys Arg Ala  
     65                      70                      75                      80  
 Cys Asn Thr Ala Thr Cys Met Thr His Arg Leu Ala Gly Trp Leu Ser  
             85                      90                      95  
 Arg Ser Gly Ser Met Val Arg Ser Asn Leu Leu Pro Thr Lys Met Gly  
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 <212> PRT  
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<220>  
 <223> CanisCRSP

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             20                      25                      30  
 Gly Phe Lys Val Tyr Asn  
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<223> precursor peptide of CanisCRSP

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20 25 30  
Glu Asn Pro Pro Asp Ser Gly Val Arg Asn Glu Glu Glu Leu Arg Leu  
35 40 45  
Leu Leu Ala Ala Val Met Lys Asp Tyr Met Gln Met Lys Thr His Glu  
50 55 60  
Leu Glu Gln Glu Gln Glu Thr Glu Gly Ser Arg Val Ala Val Gln Lys  
65 70 75 80  
Arg Ser Cys Asn Ser Ala Thr Cys Val Ala His Trp Leu Gly Gly Leu  
85 90 95  
Leu Ser Arg Ala Gly Ser Val Ala Asn Thr Asn Leu Leu Pro Thr Ser  
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Met Gly Phe Lys Val Tyr Asn Arg Arg Arg Arg Glu Leu Lys Ala  
115 120 125

<210> 12  
<211> 37  
<212> PRT  
<213> Swine

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<221> modified amino acid  
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<223> Leucine amide

<220>  
<223> CRSP-2

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<223> CRSP-2 cDNA

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<212> PRT

<213> Swine

<220>

<223> precursor peptide of CRSP-2

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Glu Ser Ser Phe Asp Ser Ala Thr Leu Thr Glu Glu Glu Val Ser Leu  
35 40 45

Leu Leu Val Ala Met Val Lys Asp Tyr Val Gln Met Lys Ala Thr Val  
50 55 60

Leu Glu Gln Glu Ser Glu Asp Phe Ser Ile Thr Ala Gln Glu Lys Ser  
65 70 75 80

Cys Asn Thr Ala Ser Cys Val Thr His Lys Met Thr Gly Trp Leu Ser  
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Arg Ser Gly Ser Val Ala Lys Asn Asn Phe Met Pro Thr Asn Val Asp  
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Ser Lys Ile Leu Gly  
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<210> 15

<211> 7673

<212> DNA

<213> Swine

<220>

<223> gene CRSP-2

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Gly Ser Lys Val Leu  
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Gly Ser Ser Phe Asp Ser Ala Thr Leu Thr Glu Glu Glu Met Ser Leu  
35 40 45

Leu Leu Val Ala Met Val Lys Asp Tyr Val Gln Met Lys Ala Thr Val  
50 55 60

Leu Glu Gln Glu Thr Glu Asp Phe Ser Ile Thr Thr Gln Glu Arg Ser  
65 70 75 80

Cys Asn Thr Ala Ile Cys Val Thr His Lys Met Ala Gly Trp Leu Ser  
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Arg Ser Gly Ser Val Val Lys Asn Asn Phe Met Pro Ile Asn Met Gly  
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Ser Lys Val Leu Gly Arg Arg Arg Arg Gln Pro Gln Ala  
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<211> 33

<212> PRT

<213> Swine

<220>

<221> modified amino acid

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<223> pyroglutamic acid

<220>

<223> CT-2

<400> 19

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Val Asn Lys Phe Tyr Ala Phe Pro Leu Thr Thr Thr Gly Ile Arg Val  
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Ser

<210> 20

<211> 802

<212> DNA

<213> Swine

<220>

<223> CT-2 cDNA

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(11)

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<212> PRT  
<213> Swine

<220>  
<223> precursor peptide of CT-2

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20 25 30  
Gly Ser Ser Phe Asp Ser Ala Thr Leu Thr Glu Glu Glu Met Ser Leu  
35 40 45  
Leu Leu Val Ala Met Val Lys Asp Tyr Val Gln Met Lys Ala Thr Val  
50 55 60  
Leu Glu Gln Glu Thr Glu Asp Phe Ser Leu Asp Ser Ser Arg Ala Lys  
65 70 75 80  
Gln Cys Asn Asn Leu Ser Thr Cys Val Leu Gly Thr Tyr Thr Trp Asp  
85 90 95  
Val Asn Lys Phe Tyr Ala Phe Pro Leu Thr Thr Thr Gly Ile Arg Val  
100 105 110  
Ser Gly Lys Lys Trp Val Arg Ala Arg Val Ser Glu Lys Val His Tyr  
115 120 125  
Pro Ser Arg Gln His Thr Leu Arg Cys Leu Arg Arg Pro Pro Pro Leu  
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<223> gene of CRSP-3 and CT-2

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